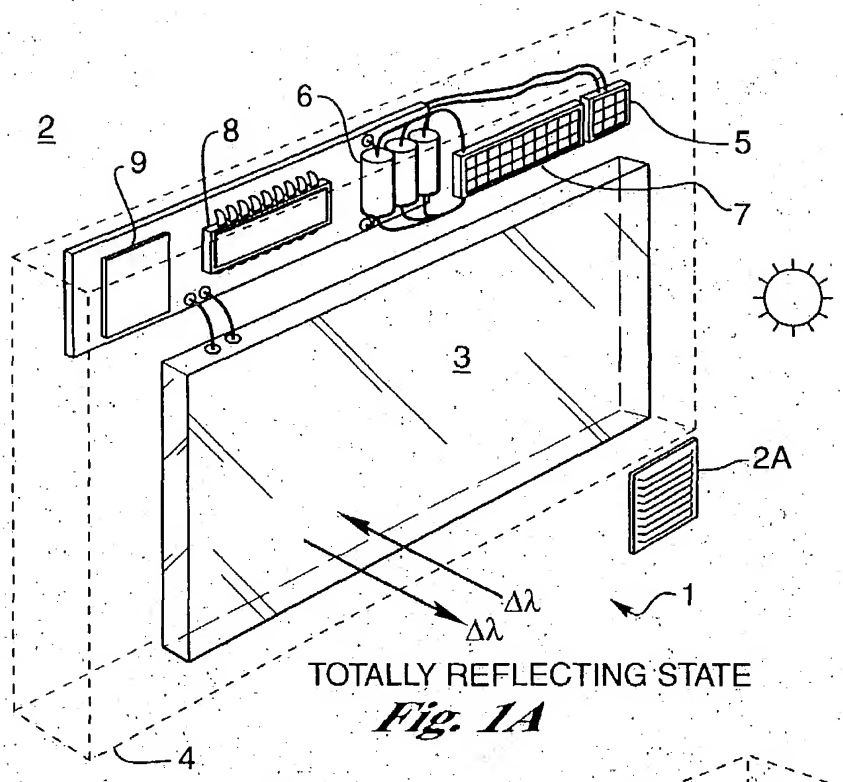
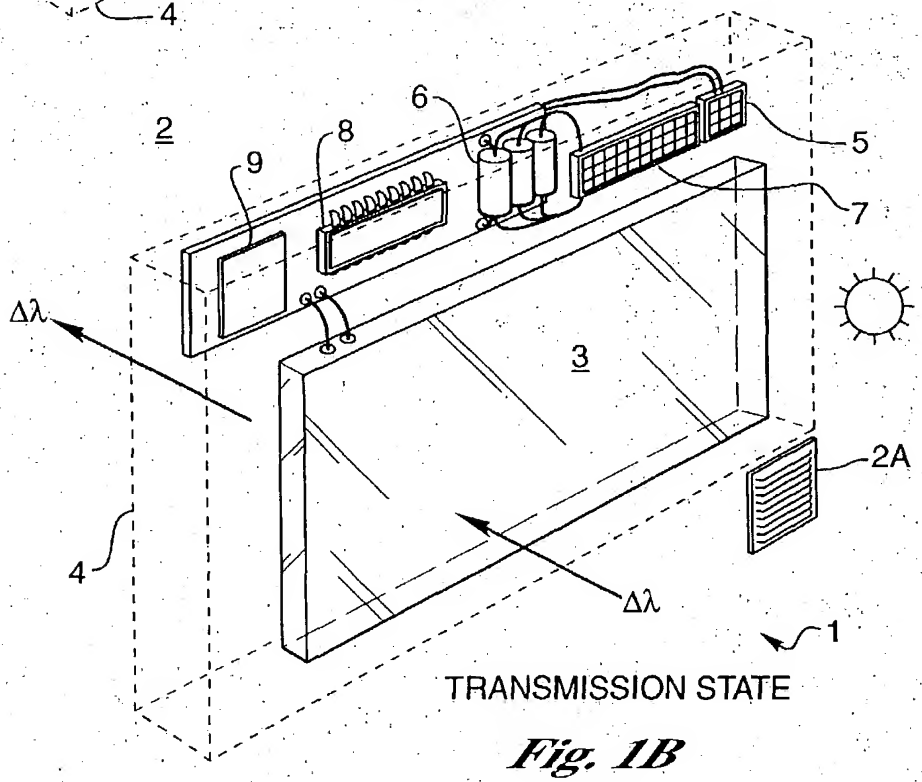


TOTALLY REFLECTING STATE

Fig. 1A



TRANSMISSION STATE

Fig. 1B

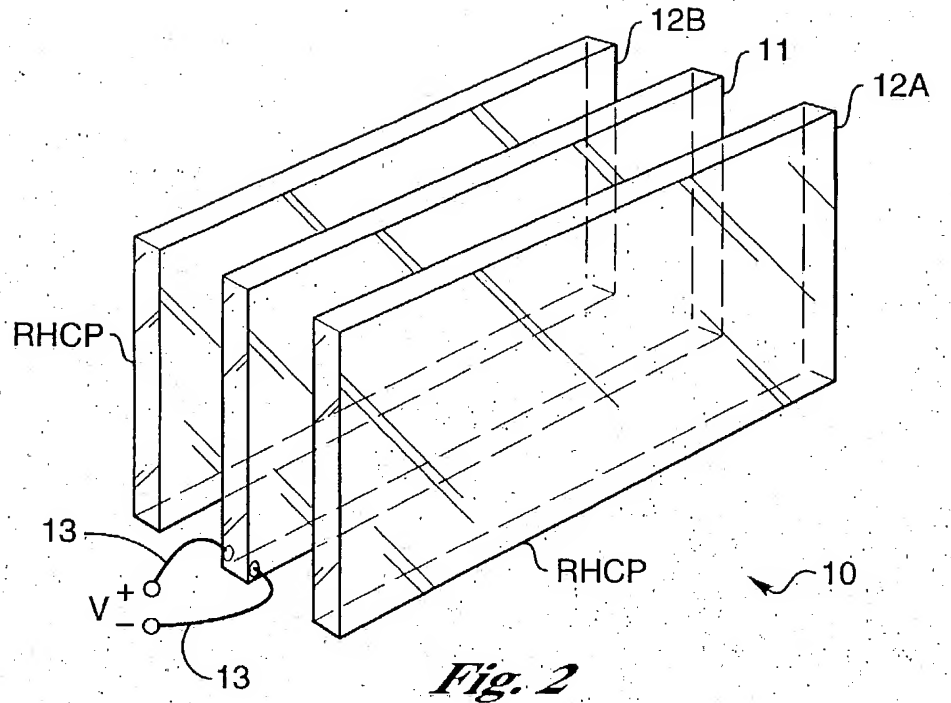


Fig. 2

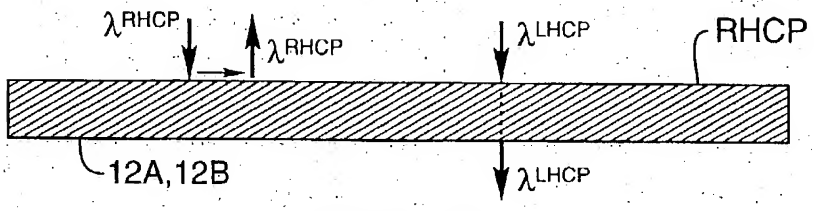


Fig. 2A

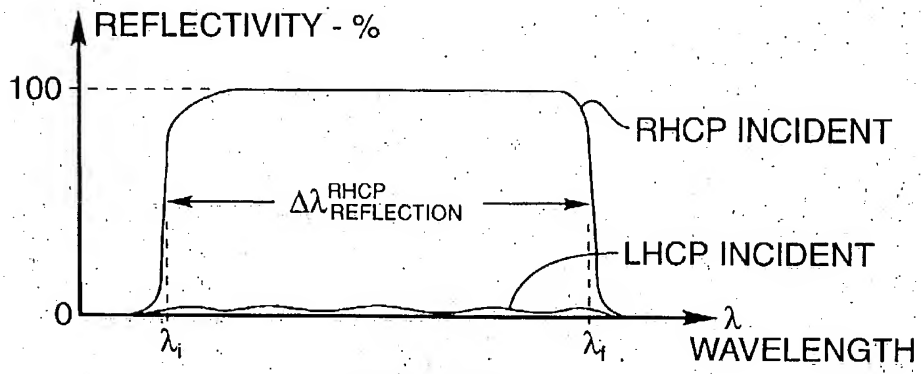


Fig. 2B

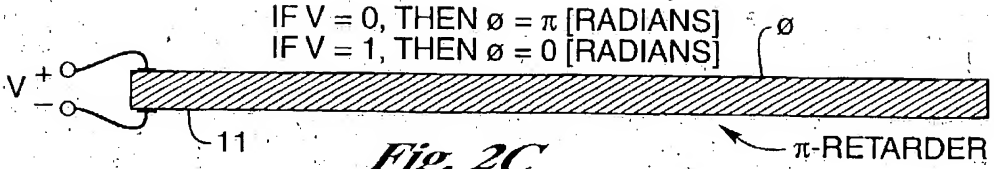


Fig. 2C

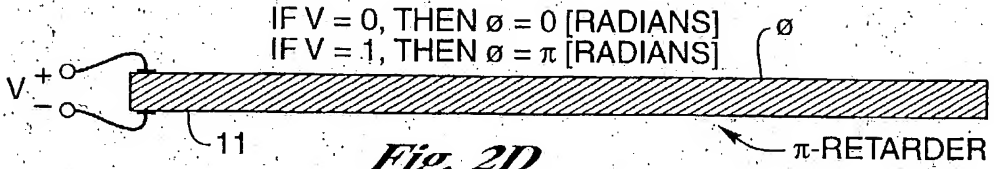


Fig. 2D

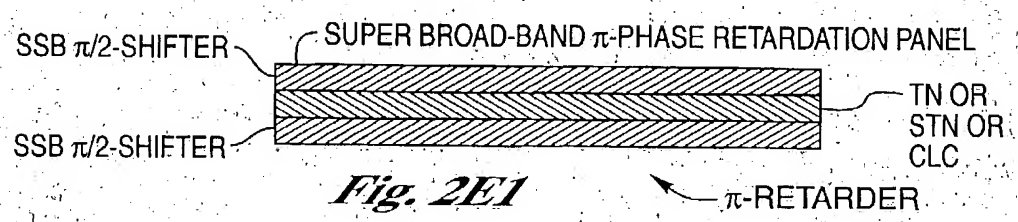


Fig. 2E1

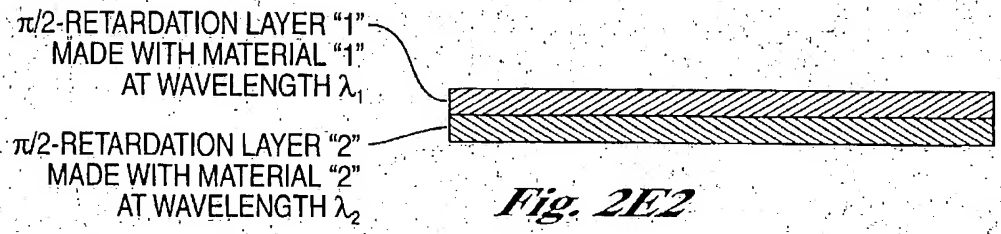


Fig. 2E2

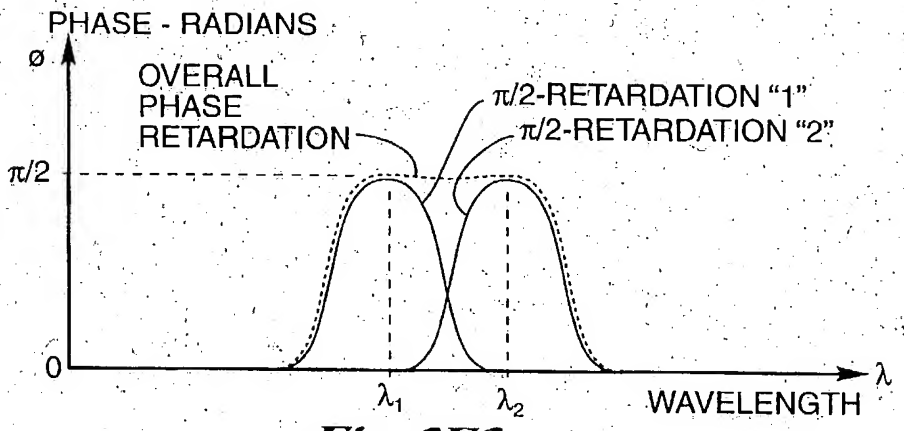


Fig. 2E3

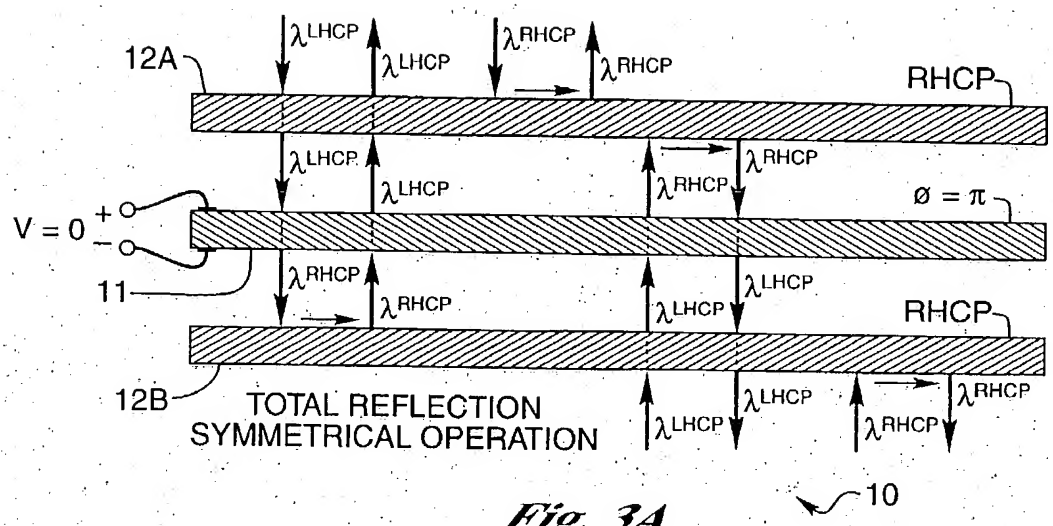

12A
RHCP
V = 0
ø = π
11
RHCP
12B
TOTAL REFLECTION
SYMMETRICAL OPERATION
10

Fig. 3A

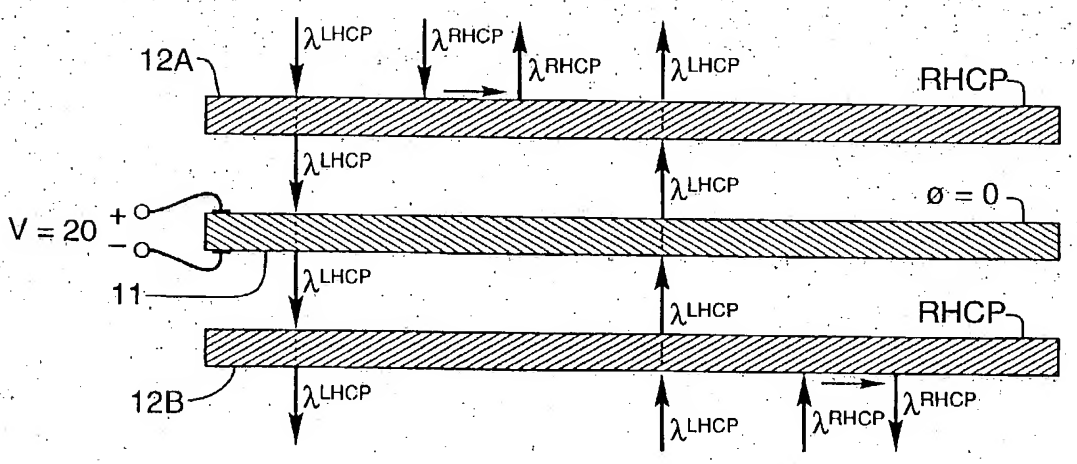

12A
RHCP
V = 20
ø = 0
11
RHCP
12B
SYMMETRICAL OPERATION
50% TRANSMISSION
50% REFLECTION
10

Fig. 3B

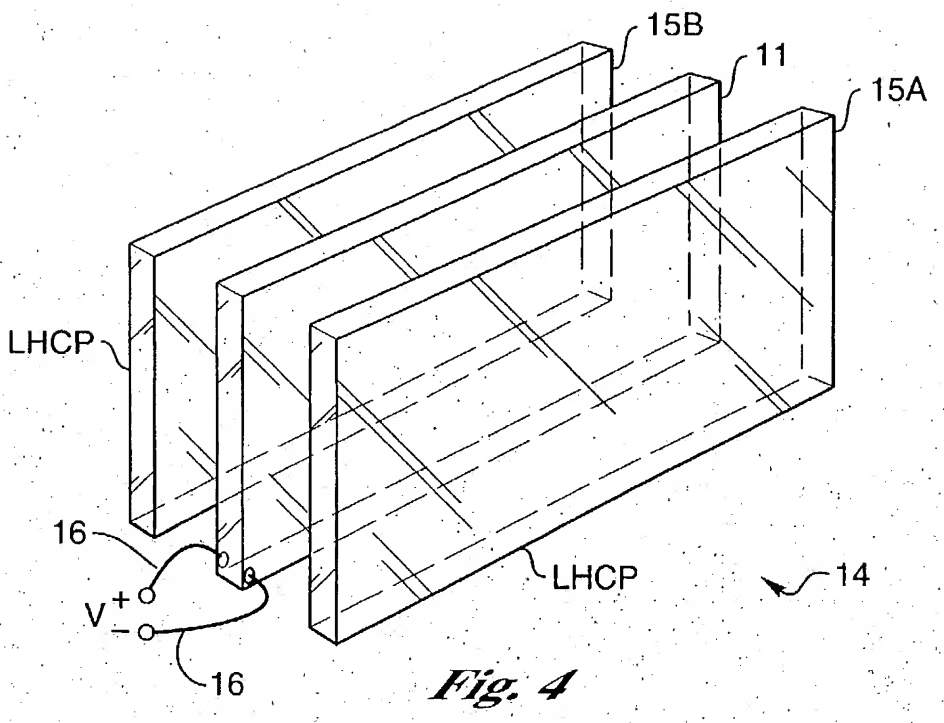


Fig. 4

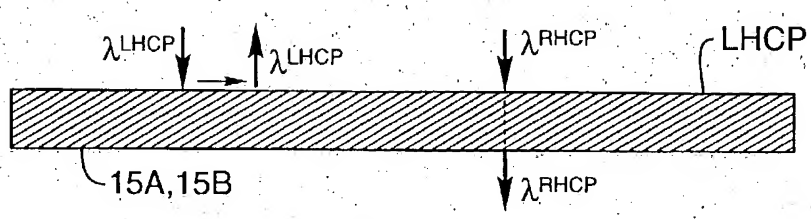


Fig. 4A

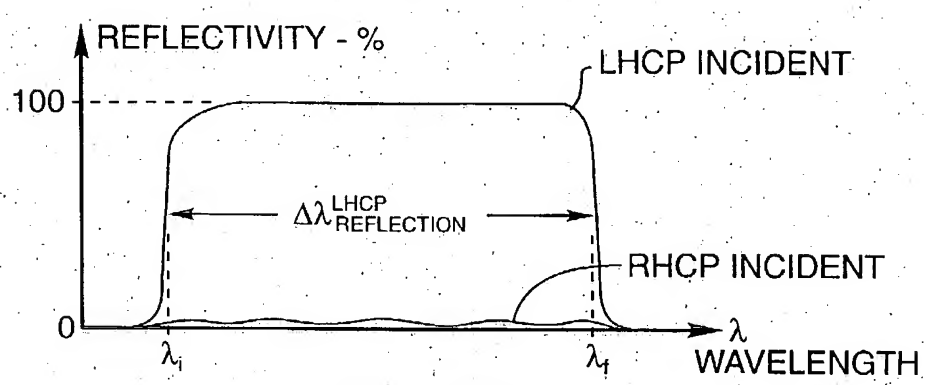


Fig. 4B

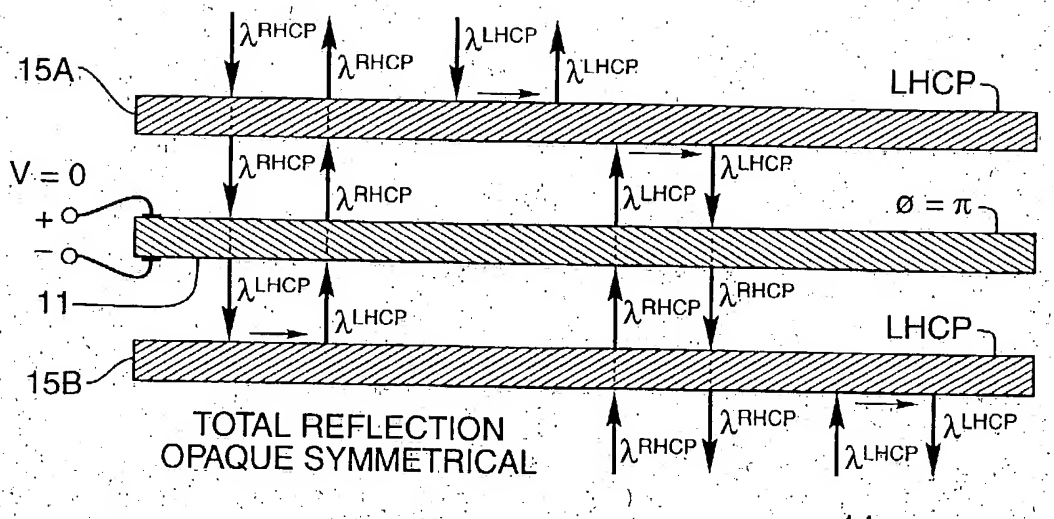

15A
LHCP
V = 0
+
−
ø = π
11
LHCP
15B
TOTAL REFLECTION
OPAQUE SYMMETRICAL
14

Fig. 5A

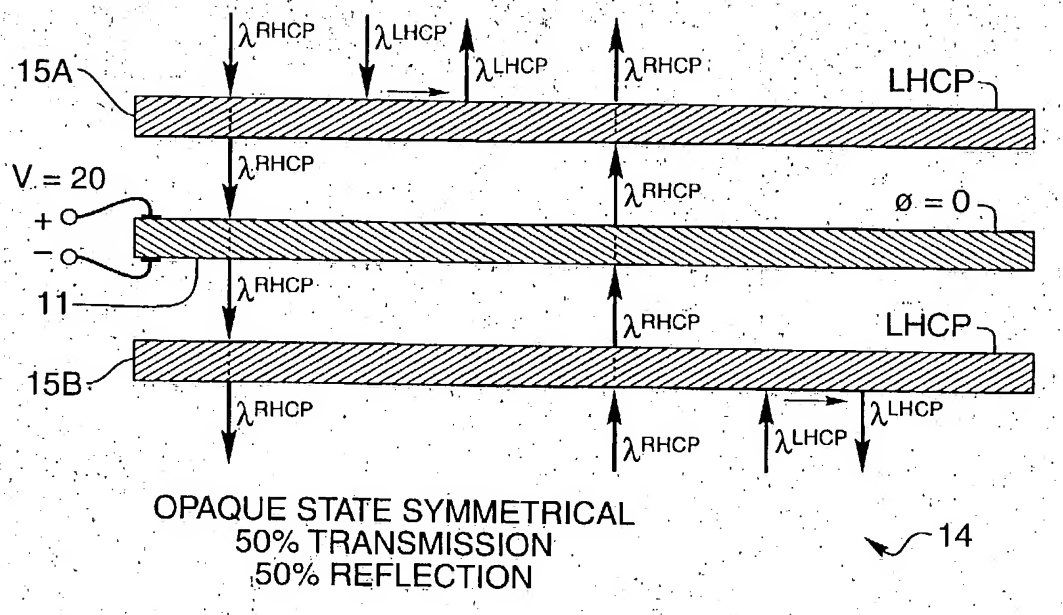

15A
LHCP
V = 20
+
−
ø = 0
11
LHCP
15B
OPAQUE STATE SYMMETRICAL
50% TRANSMISSION
50% REFLECTION
14

Fig. 5B

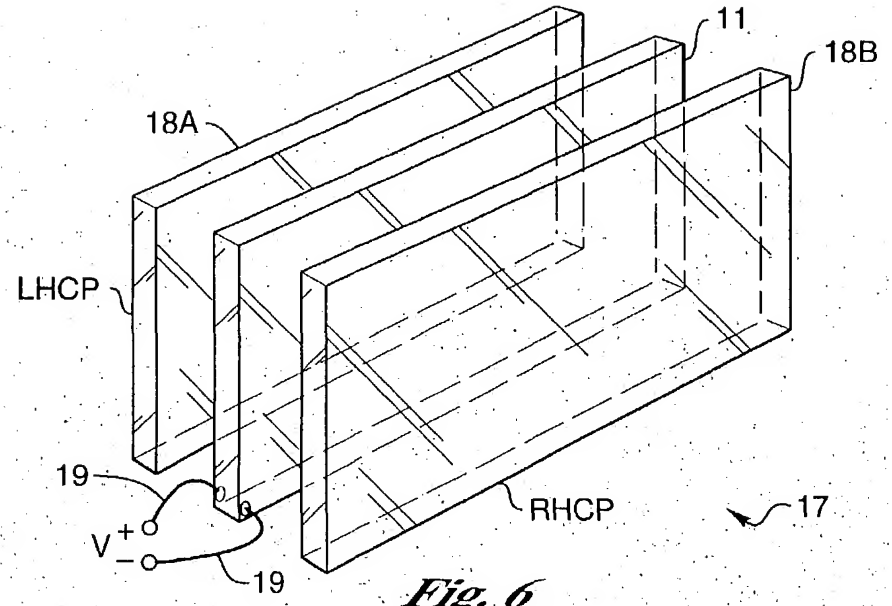


Fig. 6

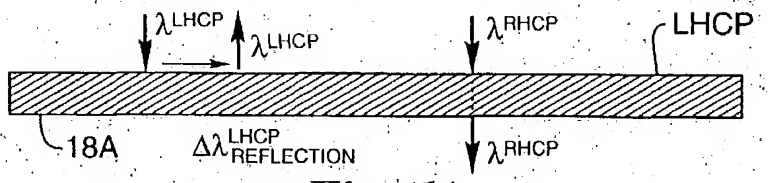


Fig. 6A

Fig. 6C

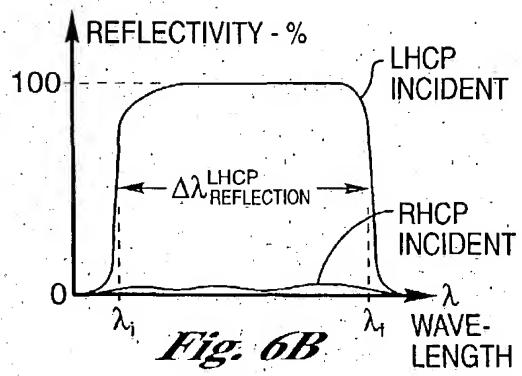


Fig. 6B

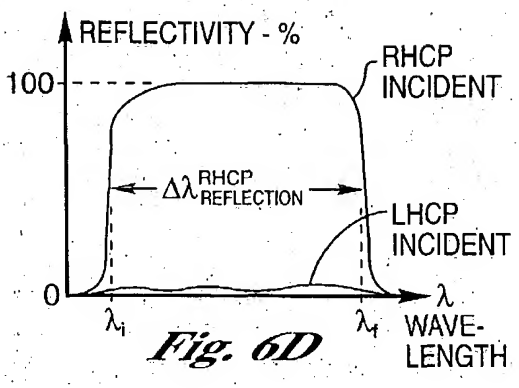
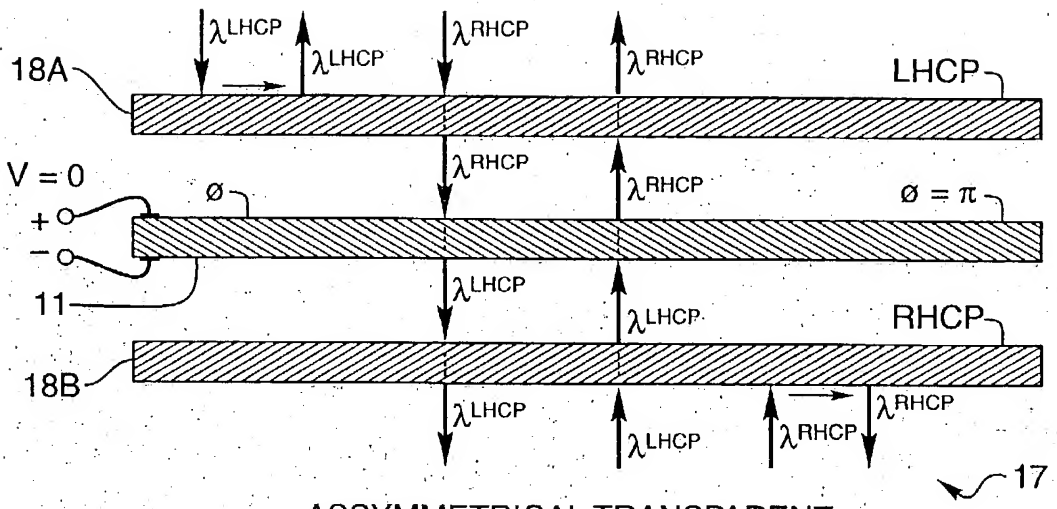
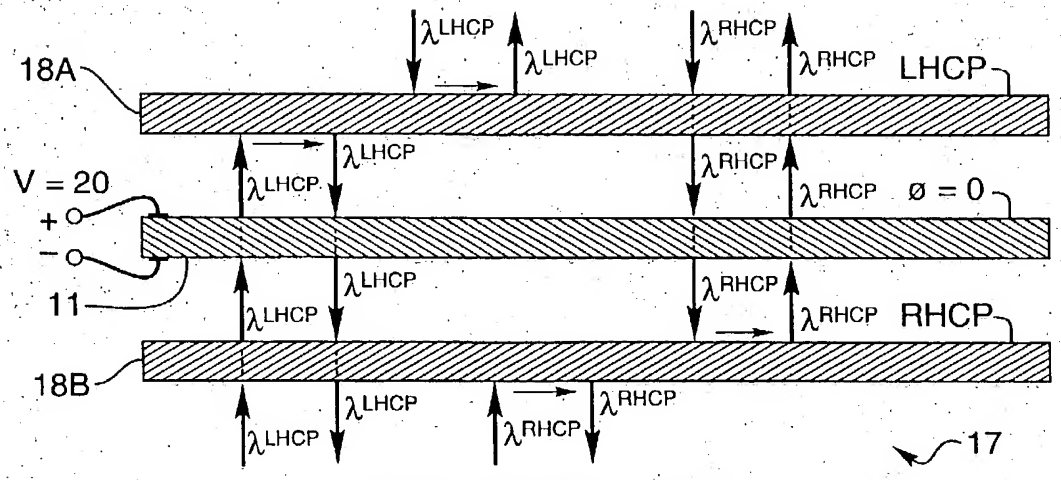


Fig. 6D



ASSYMMETRICAL TRANSPARENT
50% TRANSMISSION
50% REFLECTION

Fig. 7A



OPAQUE SYMMETRICAL
TOTAL REFLECTION

Fig. 7B

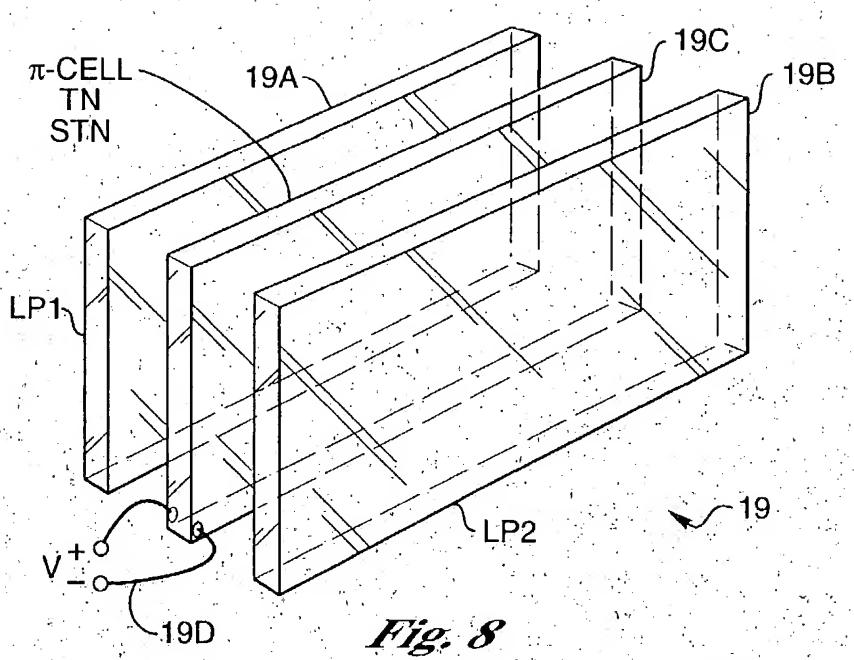


Fig. 8

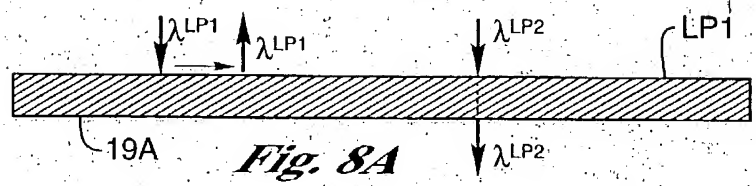


Fig. 8A

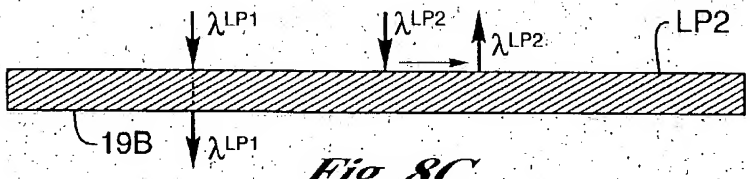


Fig. 8C

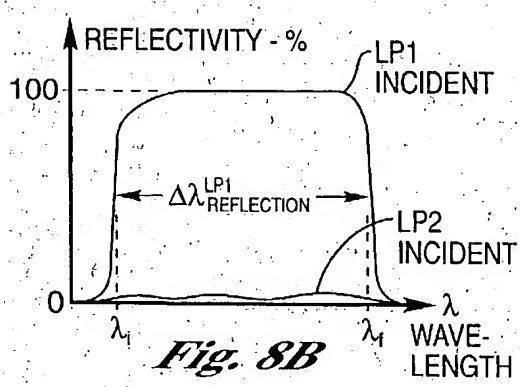


Fig. 8B

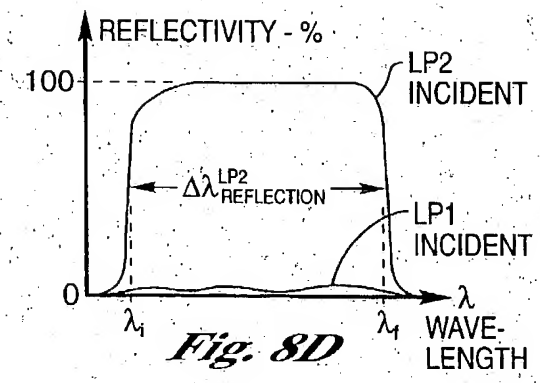


Fig. 8D

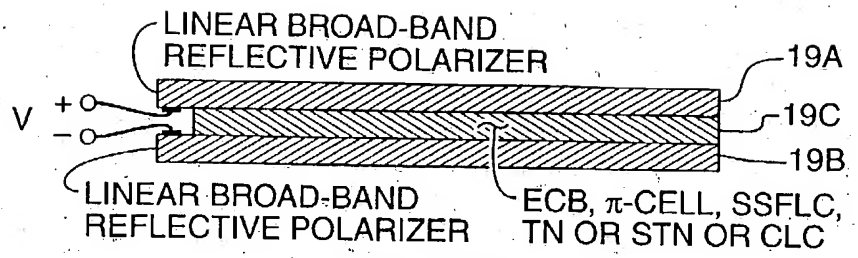


Fig. 8E

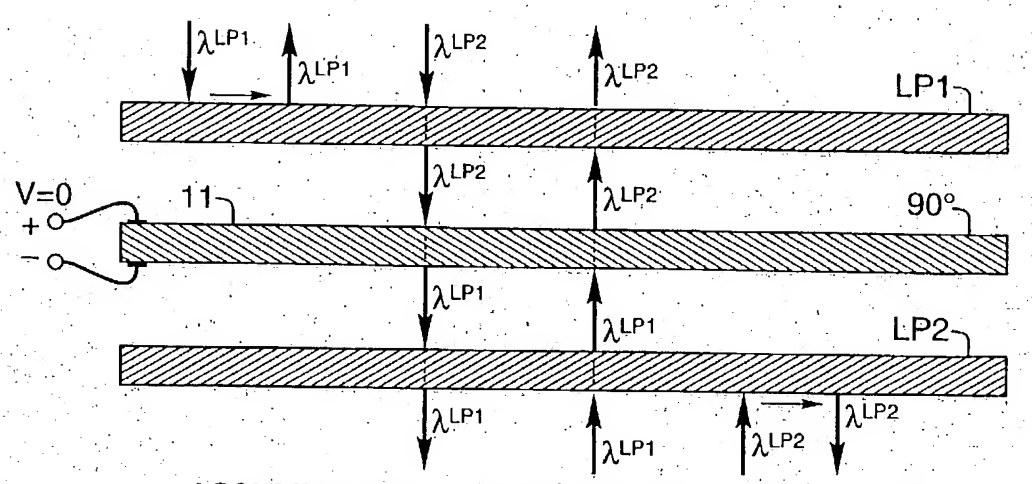


Fig. 9A

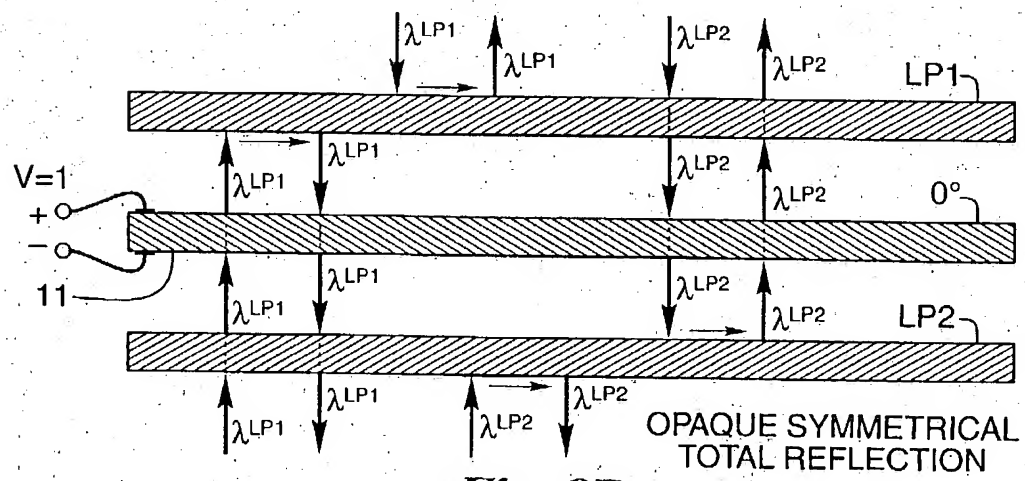


Fig. 9B

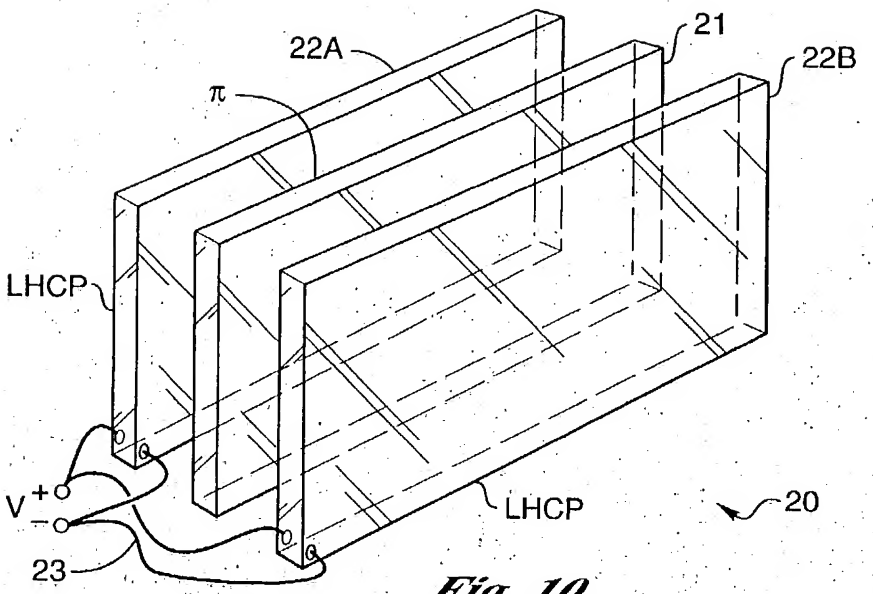


Fig. 10

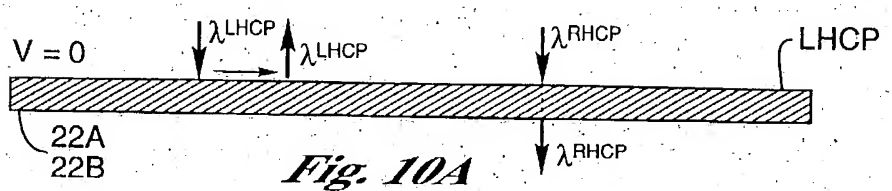


Fig. 10A

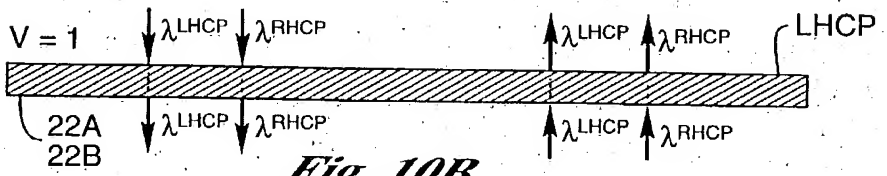


Fig. 10B

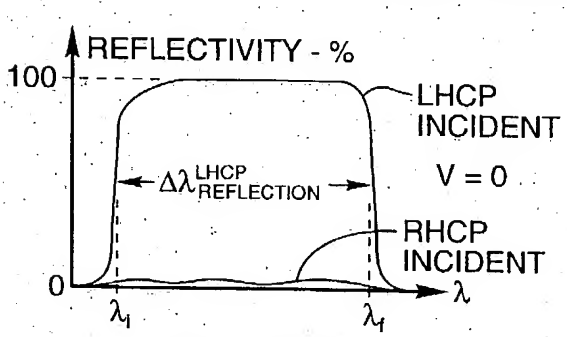


Fig. 10C

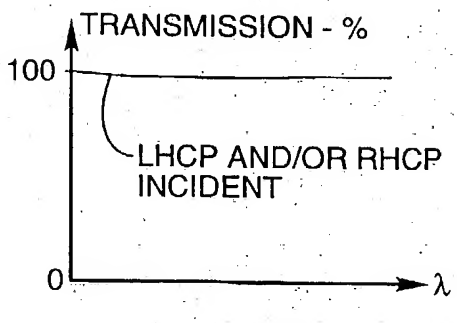
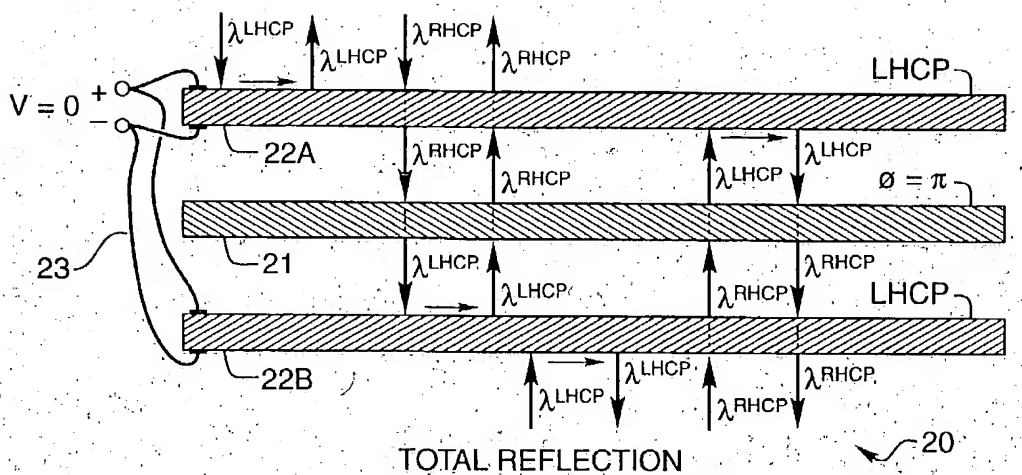
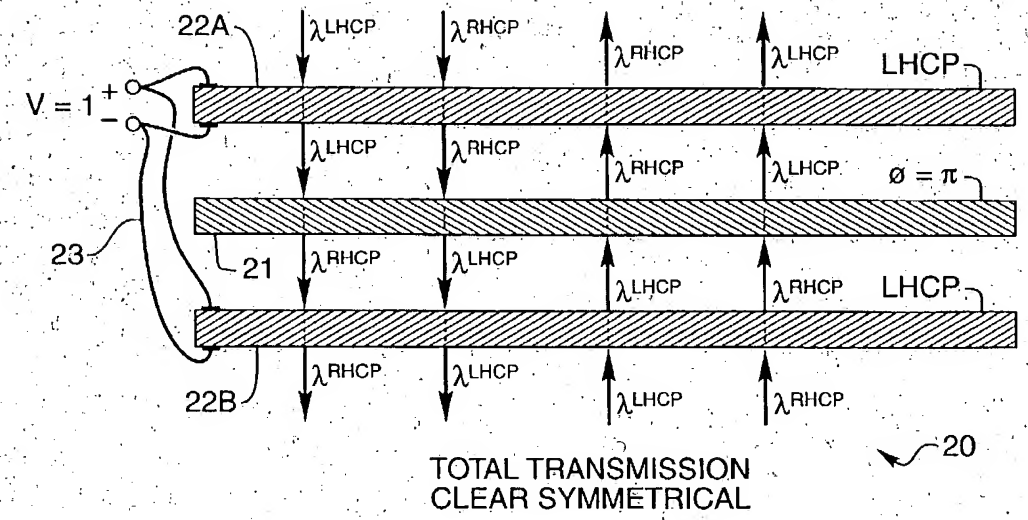


Fig. 10D



TOTAL REFLECTION
OPAQUE SYMMETRICAL

Fig. 10E



TOTAL TRANSMISSION
CLEAR SYMMETRICAL

Fig. 10F

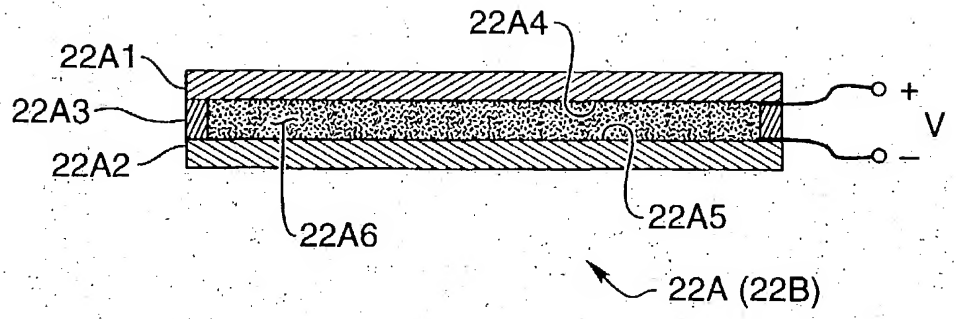


Fig. 11

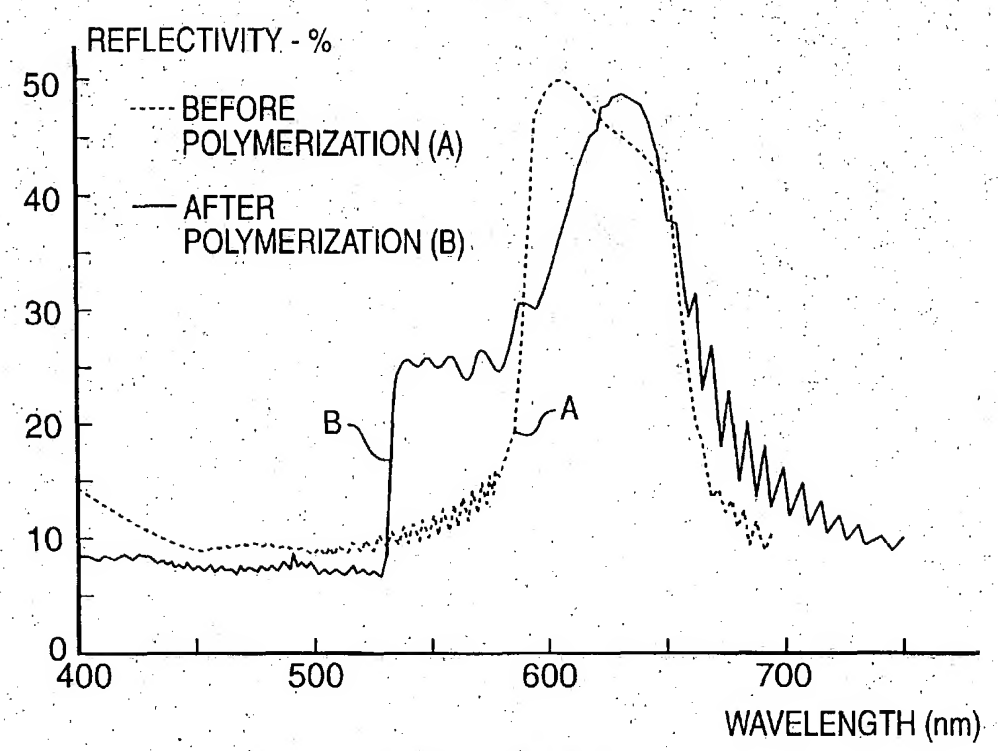


Fig. 11A1

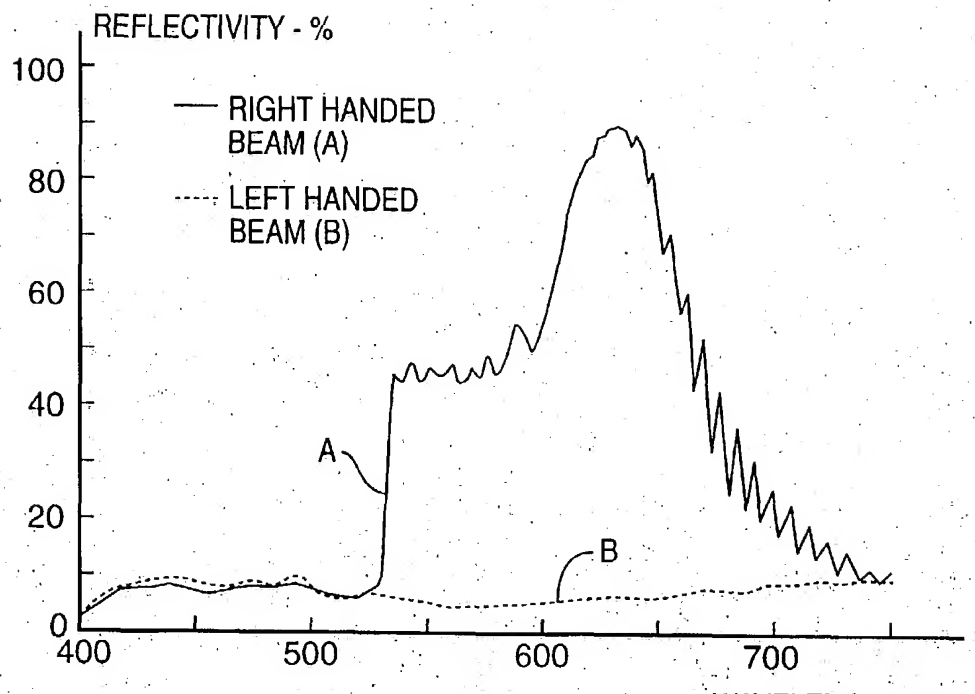


Fig. 11A2

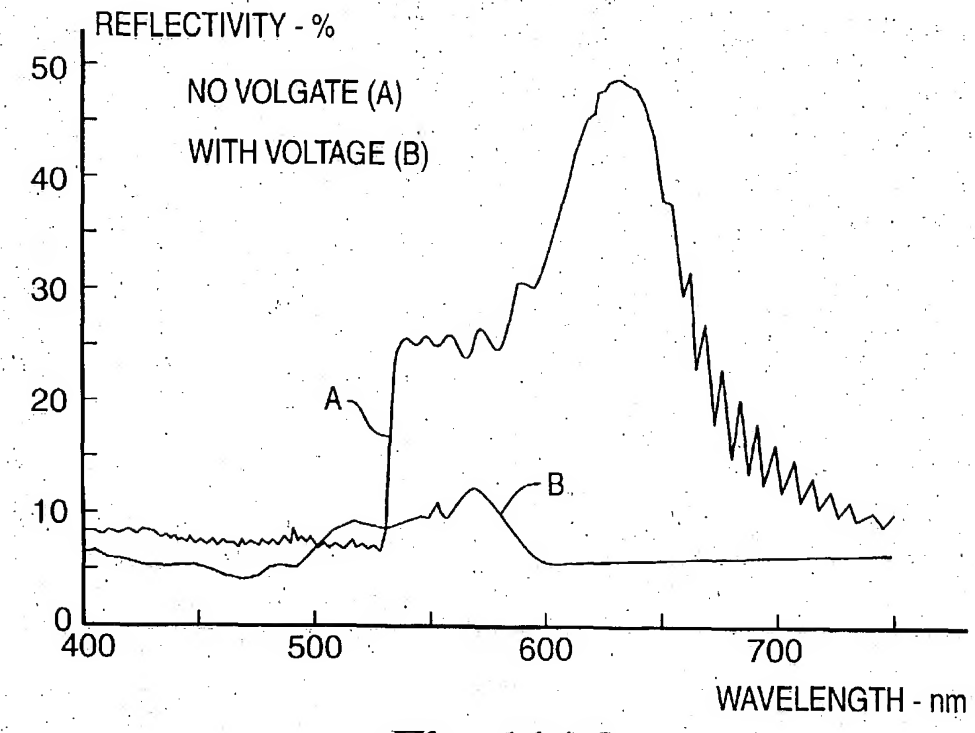


Fig. 11A3

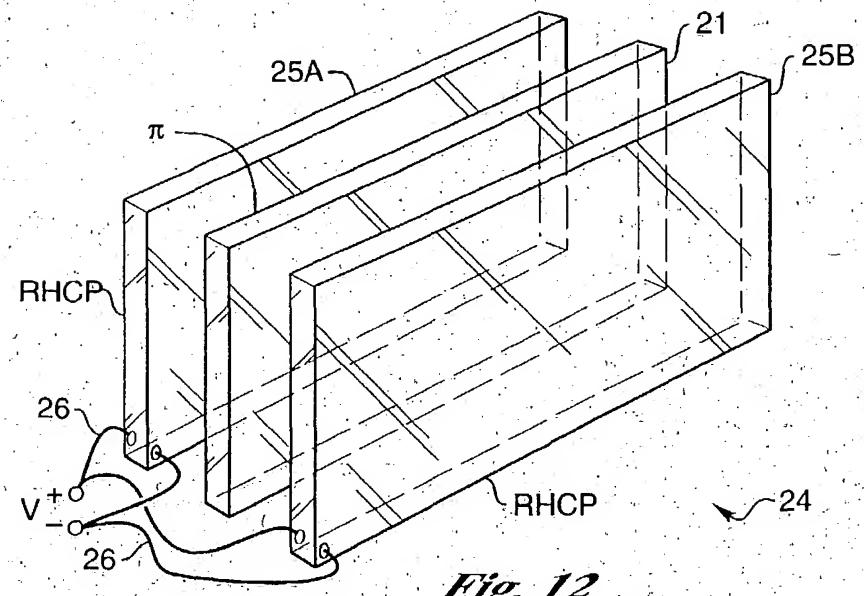


Fig. 12

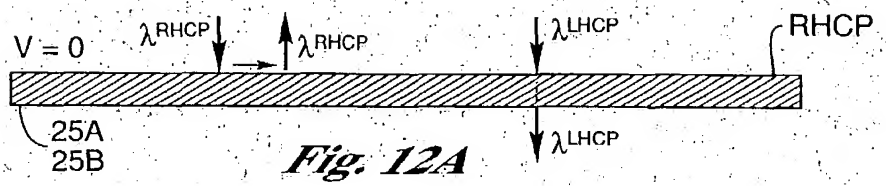


Fig. 12A

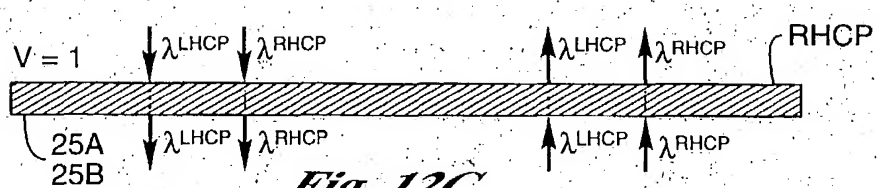


Fig. 12C

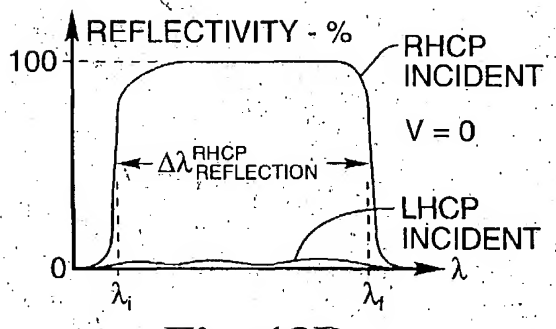


Fig. 12B

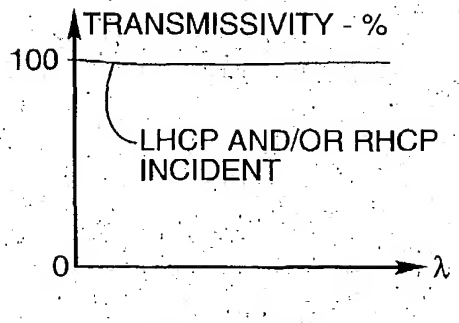


Fig. 12D

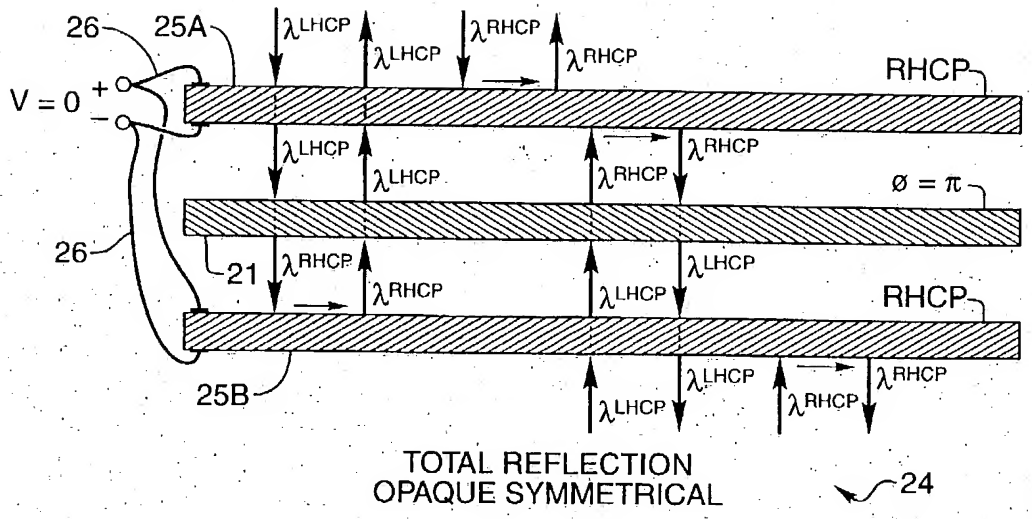


Fig. 13A

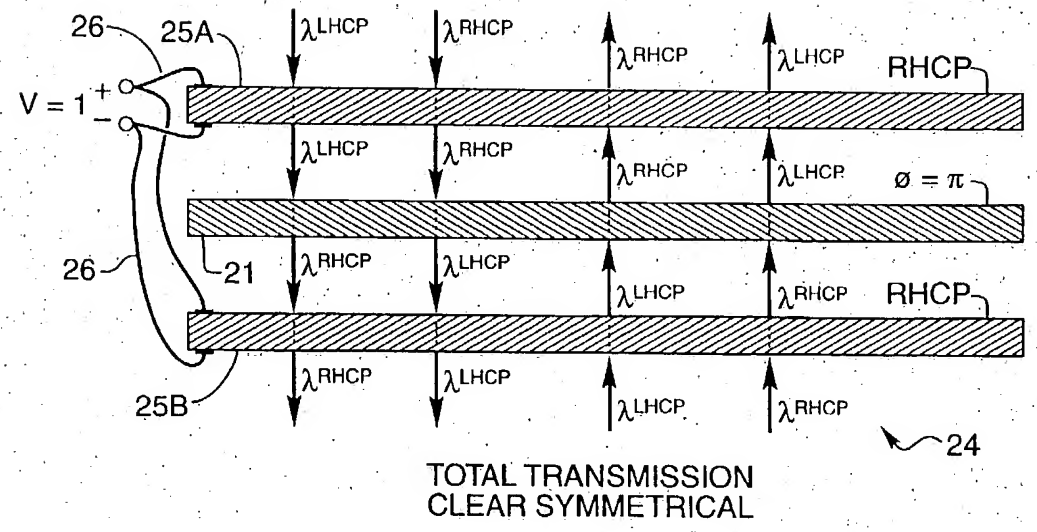


Fig. 13B

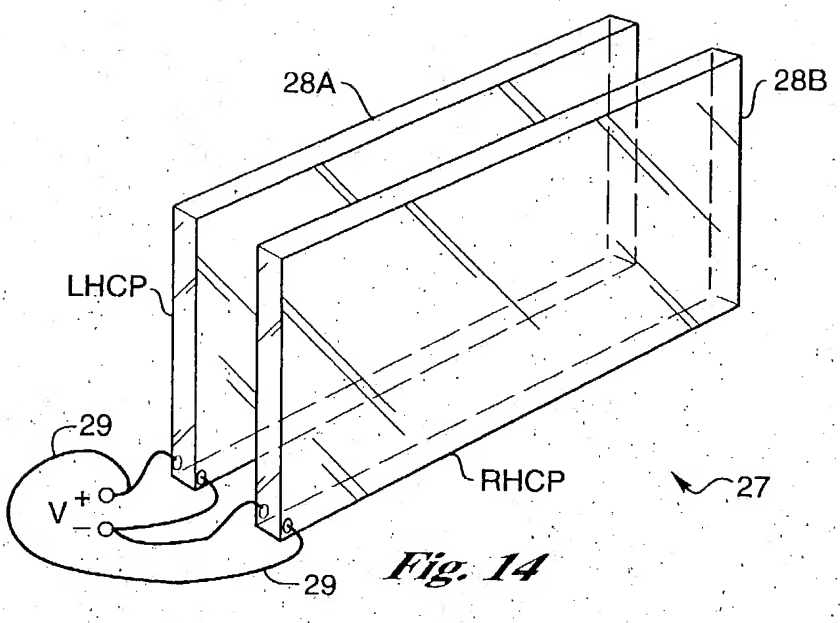


Fig. 14

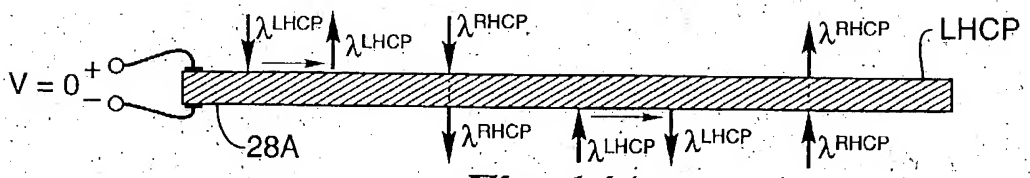


Fig. 14A

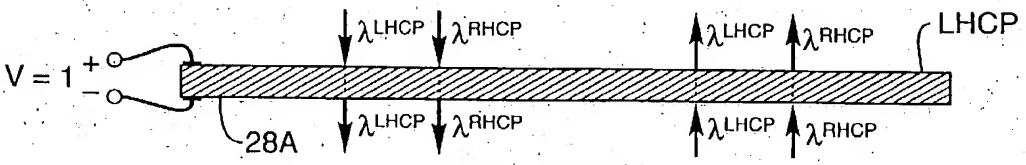


Fig. 14C

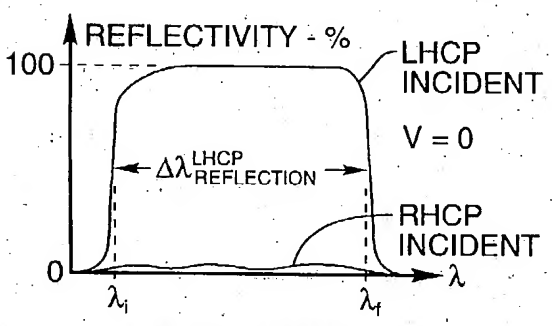


Fig. 14B

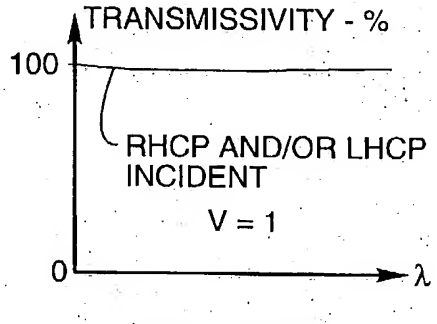


Fig. 14D

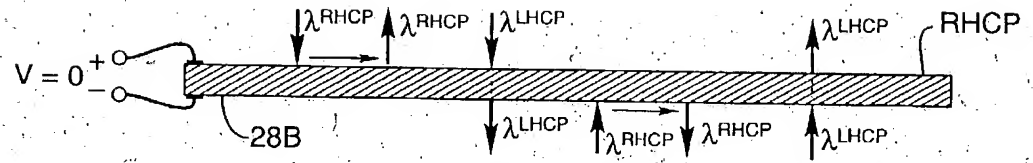


Fig. 14E

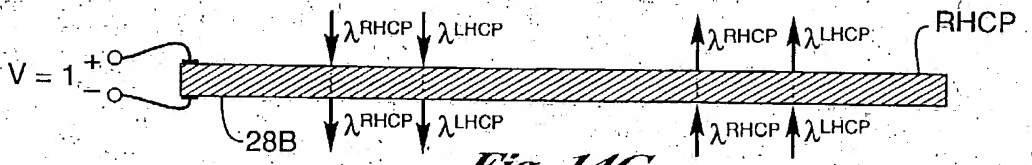


Fig. 14G

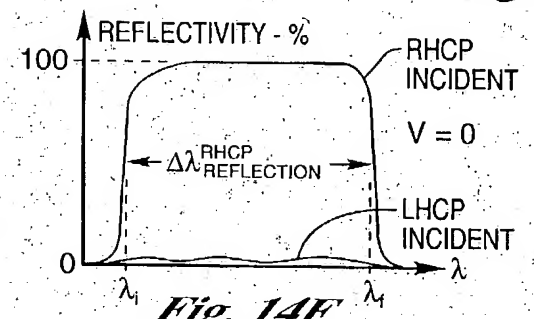


Fig. 14F

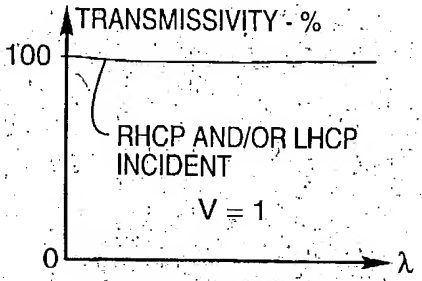


Fig. 14H

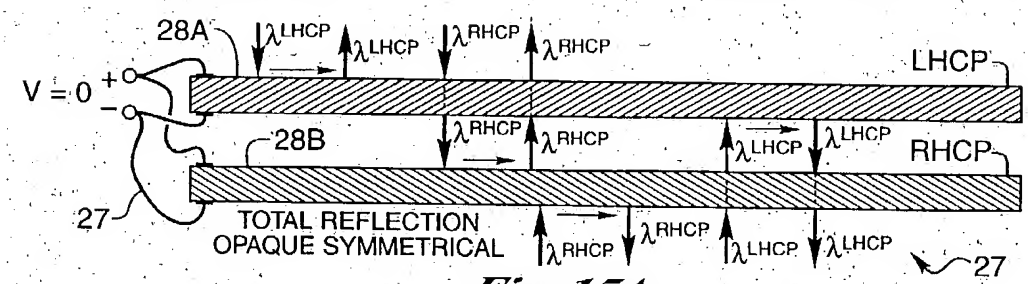


Fig. 15A

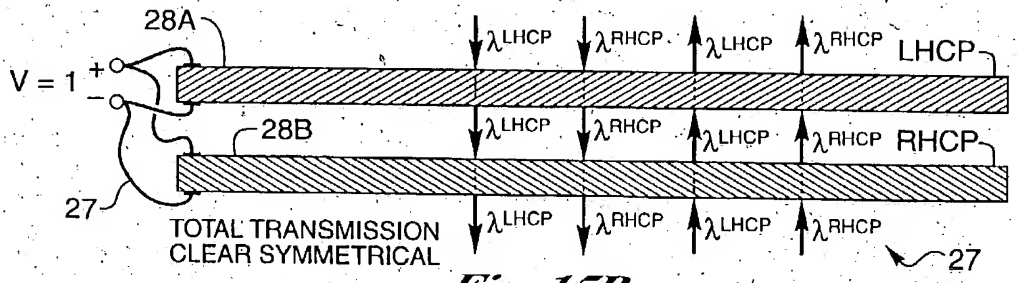


Fig. 15B

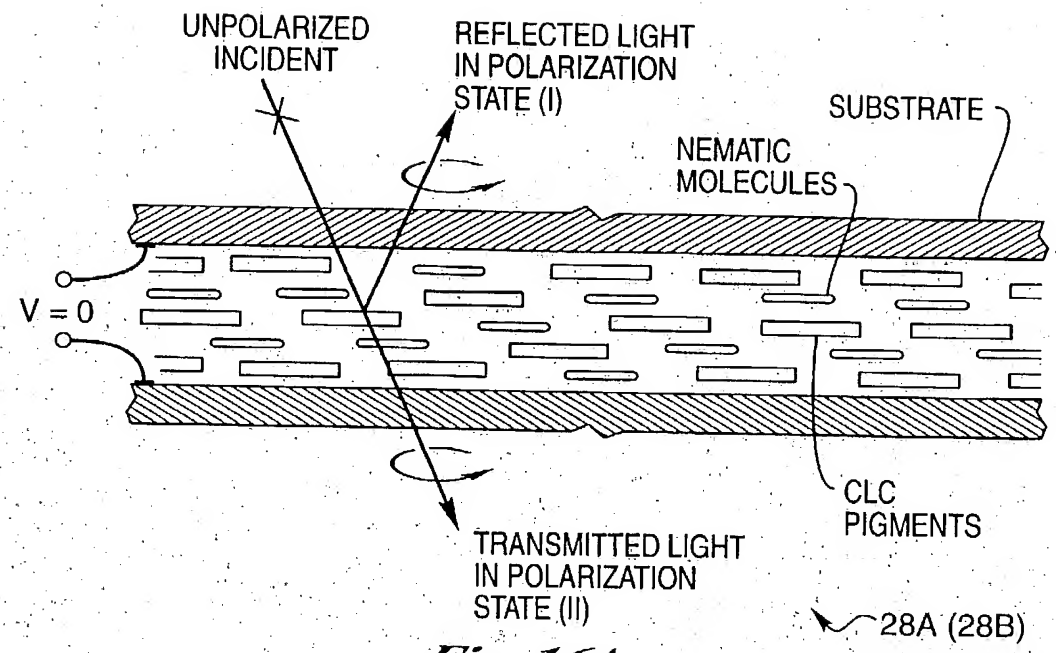


Fig. 16A

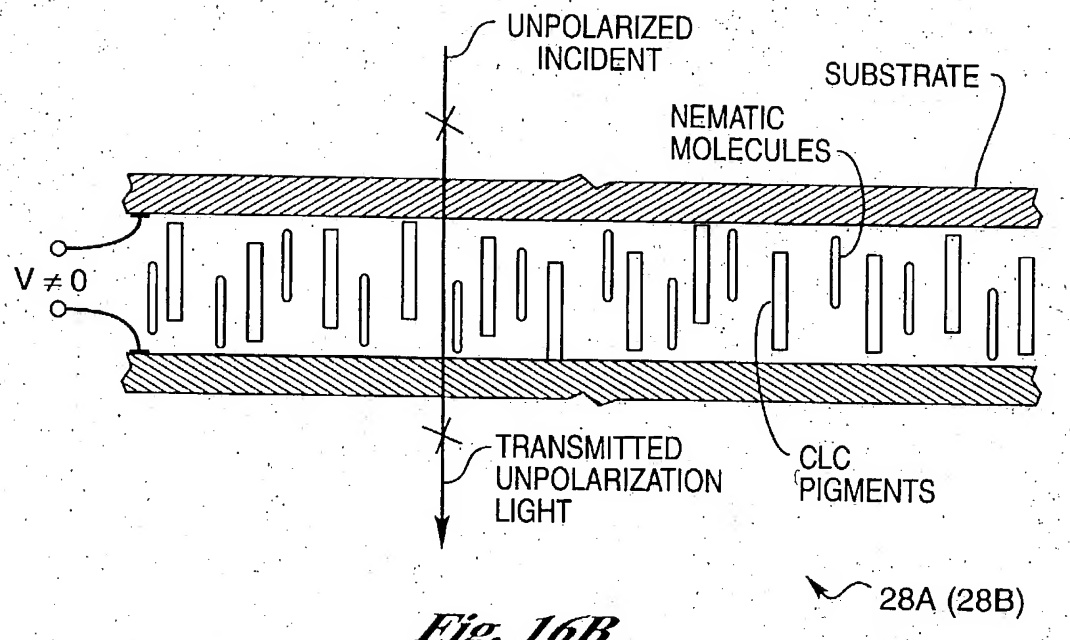


Fig. 16B